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WEATHER BUREAU

AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN : DIRECTOR

HALIM HOURANI : OBSERVER

BEIRUT, LEBANON

Latitude : 33° 54' 22" N.

Longitude : 2^h 21^m 52^s . 7 E.

September 1960

Jourdy Press — Tel. : 43010

SEPTEMBER 1960

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. †...				Thermometer Degrees Centigrade					
	8:30	41:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	58.1	57.3	57.1	57.5	29.7	23.8	26.6	28.7	27.2	27.5
2	57.0	55.4	55.3	55.9	28.9	23.4	27.5	28.4	25.7	27.2
3	55.1	52.3	54.5	54.0	31.3	23.6	26.8	30.5	25.9	27.7
4	55.9	54.5	55.0	55.1	30.8	24.6	27.0	29.7	25.9	27.5
5	55.9	55.7	56.1	55.9	30.0	24.4	26.7	28.1	25.5	26.8
6	56.9	56.4	56.7	56.7	28.5	24.5	26.8	27.9	25.7	26.8
7	56.1	55.7	55.7	55.8	30.8	24.2	27.2	28.8	25.9	27.3
8	56.2	56.1	56.9	56.4	29.6	23.2	27.0	28.7	26.5	27.4
9	58.1	57.9	58.5	58.2	31.7	23.6	27.0	31.4	26.1	28.2
10	58.6	58.0	57.9	58.2	29.8	24.2	27.3	28.7	26.4	27.5
11	57.6	56.7	56.6	57.0	30.1	24.4	27.0	29.0	25.8	27.3
12	56.4	56.2	56.4	56.3	31.7	24.2	26.4	31.4	26.6	28.1
13	57.0	56.7	57.3	57.0	31.5	24.5	27.0	29.4	25.6	27.3
14	58.0	57.6	58.3	58.0	29.0	24.5	26.3	28.0	25.8	26.7
15	58.9	58.7	59.3	59.0	30.1	23.6	26.0	29.4	25.0	26.8
16	59.6	58.5	59.2	59.1	29.8	23.4	25.6	28.0	25.3	26.3
17	59.8	59.4	60.3	59.8	29.8	23.9	26.2	29.4	24.9	26.8
18	60.6	59.8	59.9	60.1	29.8	23.2	26.5	27.9	25.0	26.5
19	59.9	59.2	58.9	59.3	28.1	23.2	25.2	27.4	25.9	26.2
20	59.5	58.8	59.0	59.1	29.2	22.2	25.5	28.9	24.6	26.3
21	59.2	58.8	58.6	58.9	28.5	22.6	24.8	27.7	24.5	25.7
22	58.9	58.5	59.1	58.8	28.8	22.2	25.3	28.4	24.1	25.9
23	59.9	59.5	59.9	59.8	30.0	23.1	25.0	29.4	24.5	26.3
24	59.9	59.5	59.9	59.8	29.5	21.2	25.8	28.8	24.0	26.2
25	60.7	60.3	60.9	60.6	28.0	22.1	24.2	27.6	24.3	25.4
26	61.6	60.8	60.8	61.1	28.8	22.0	24.2	28.3	23.5	25.3
27	60.7	60.1	60.3	60.4	28.8	19.0	24.6	28.1	24.3	25.7
28	60.7	60.4	61.2	60.8	27.5	21.2	22.2	26.4	23.1	23.9
29	61.1	60.6	61.4	61.0	27.3	22.4	23.8	26.5	24.0	24.8
30	62.3	61.2	61.9	61.8	27.7	21.5	24.4	27.4	22.6	24.8
31										
	58.67	58.02	58.43	58.38	29.50	23.13	25.86	28.61	25.14	26.54

Barometer, range 761.9 mm – 752.3 mm

" " 71-yrs. average 758.74 mm

Thermometer, range 31.7°C – 19.0°C

" " 82-yrs. average 26.4°C

Rain, total for month 20.34mm

" " 82-yrs. average for month 6.7 mm

" " total from Sept, 1 20.34 mm

" " 82-yrs. average from Sept. 1 6.65 mm

SEPTEMBER 1960
METEOROLOGICAL REGISTRE

Date	Pressure of Water Vapour Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kmsr	m. m.
1	20.3	21.7	19.8	20.6	59	55	54	56	11.8	169	
2	17.6	25.2	27.8	23.5	47	65	84	65	11.3	212	
3	26.6	27.6	27.0	27.1	76	64	80	73	9.4	87	
4	23.4	22.1	23.5	23.0	66	53	71	63	9.3	82	
5	23.9	23.2	23.9	23.7	68	61	73	67	4.4	50	
6	26.0	25.3	26.2	25.8	74	68	80	74	0.0	21	
7	24.1	27.5	27.6	26.4	67	70	82	73	7.3	32	
8	27.5	24.7	29.2	27.1	77	71	84	77	8.4	35	
9	28.5	29.9	29.5	29.3	80	65	87	77	9.2	60	
10	30.1	28.9	29.5	29.5	83	74	86	81	8.9	42	
11	29.9	28.3	27.1	28.4	84	71	81	79	9.2	29	
12	26.9	29.9	27.8	28.2	78	65	80	74	9.4	77	
13	29.0	28.0	27.6	28.2	81	69	84	78	9.1	84	
14	23.3	21.5	21.5	22.1	67	57	65	63	7.4	43	
15	21.8	22.9	21.6	22.1	65	55	68	63	7.9	97	
16	19.7	19.2	19.3	29.4	61	51	60	57	7.8	66	
17	21.1	21.1	21.4	21.2	62	52	65	60	8.4	106	
18	21.3	23.8	24.1	23.1	62	64	76	67	7.1	71	
19	21.0	22.0	23.5	22.2	65	60	71	65	9.4	93	
20	20.5	16.9	19.7	19.0	63	42	64	56	9.6	76	
21	19.1	19.2	18.7	19.0	62	52	61	58	9.4	47	
22	17.5	18.9	19.0	18.5	54	48	64	55	9.3	47	
23	19.4	23.9	24.2	22.5	62	58	79	66	9.4	42	
24	24.4	21.4	20.6	22.1	73	54	70	66	9.2	72	
25	23.7	19.8	20.0	21.2	79	54	66	66	8.2	53	4.20
26	18.7	18.3	17.5	18.2	62	47	60	56	7.8	66	0.10
27	17.9	18.5	18.8	18.4	58	48	62	56	9.1	90	
28	19.5	20.9	19.7	20.0	72	61	70	68	8.3	79	16.04
29	17.7	19.7	20.1	19.2	61	56	68	62	9.5	71	
30	19.0	17.9	19.0	18.6	61	48	70	60	7.3	60	
31											
	22.65	22.94	23.17	22.92	67.6	58.6	72.2	66.0	8.43	71.97	0.68

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1·25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M. O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875 - 1943

SEPTEMBER 1960

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast – 10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1ne	3ne	3ne	light	
2	0	0	0	0.0	3ne	4ne	0	,,	D; p.m.
3	1st	2cu-ci	1cu	1.3	2sw	3w	2sw	,,	D; p.m.
4	4cu	2cu-ci	2cu	2.7	2sw	2sw	1sw	,,	
5	6st	10st	3st	6.3	3sw	3w	0	,,	
6	10st	10st	10st	10.0	3sw	2sw	0	light	
7	0	10st	4st	4.7	3ne	3n	0	,,	
8	8st	0	0	2.7	2ne	3ne	1ne	,,	D; p.m.
9	0	0	0	0.0	3sw	3sw	0	,,	D; p.m.
10	8st	0	0	2.7	3ne	2ne	0	,,	D; p.m.
11	4st	0	0	1.3	1w	2n	0	light	D; p.m.
12	0	0	0	0.0	3sw	3sw	2sw	,,	D; p.m.
13	0	4st	1cu	1.7	3sw	3nw	0	,,	D; p.m.
14	9st	3st	6st	6 0	2sw	3ne	1ne	,,	
15	4cu-st	3cu-st	3cu-st	3.3	2nw	3w	2nw	,,	
16	2cu	10st	5cu	5.7	3sw	3w	2sw	light	
17	5cu-st	5cu-st	5cu-st	5.0	3sw	2w	0	,,	
18	1st	2cu-st	1st	1.3	1sw	3n	0	,,	D; p.m.
19	0	0	0	0.0	2ne	3ne	3ne	,,	
20	0	0	0	0.0	2ne	2nw	0	,,	
21	0	0	0	0.0	2sw	2ne	1ne	light	
22	0	0	0	0.0	2ne	2nw	0	,,	
23	0	0	0	0.0	2sw	2sw	0	,,	D; p.m.
24	1cu	2ci-cu	0	1.0	3sw	2w	0	,,	
25	8ni-cu	0	6cu-st	4.7	1s	1nw	2nw	,,	
26	9cu-ni	2cu-st	0	3.7	2sw	3sw	0	light	
27	4cu	4cu-st	10st-ni	6.0	3sw	3sw	2sw	,,	
28	9cu-ni	3cu-st	5cu-st	5.7	3sw	2nw	0	,,	
29	0	5cu-st	10cu-st	5 0	1e	3nw	0	,,	
30	10st	4st	1st	5.0	3sw	3sw	0	,,	
31									
				2.86					

Abbreviation : G = gale ; H = haze ; M = mist ; T = Thunderstorm ; D – dew
W = strong wind ; Tr = trace of rain

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	8	1	0	1	18	1	1	0	30
14:30	3	7	0	0	0	8	6	6	0	30
20:30	0	5	0	0	0	5	0	2	18	30
Total	3	20	1	0	1	31	7	9	18	90

Number of days with rain 3, fog 0, thunderstorm 0, gale. 0

71-yrs. average number of days with rain during month 1.13

Time of reading minus 2 hours equals G.C.T